



FORM PTO-1449 FIFTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT		ATTY. DOCKET NO. 1700.0190005/BJD/SJE	APPLICATION NO. 10/050,898
		APPLICANT RENNER et al.	
		FILING DATE January 18, 2002	GROUP 1645

U. S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
/MH/	ALS	WO 99/07839 A2	02/18/1999	WIPO			Yes No
	AMS	WO 99/40934 A1	08/19/1999	WIPO			Yes No
	ANS	WO 99/67293 A1	12/29/1999	WIPO			Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)							
	AR	83	Crameri, R. and Suter, M., "Display of biologically active proteins on the surface of filamentous phages: a cDNA cloning system for selection of functional gene products linked to the genetic information responsible for their production," <i>Gene</i> 137:69-75, Elsevier Science Publishers B.V. (1993)				
	AS	83	Daniel, M.D., et al., "Protective Effects of a Live Attenuated SIV Vaccine with a Deletion in the nef Gene," <i>Science</i> 258:1938-1941, American Association for the Advancement of Science (1992)				
	AT	83	de la Cruz, V.F., et al., "Immunogenicity and Epitope Mapping of Foreign Sequences via Genetically Engineered Filamentous Phage," <i>J. Biol. Chem.</i> 263:4318-4322, The American Society for Biochemistry and Molecular Biology, Inc. (1988)				

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/MH/	AR	<u>84</u>	Donnelly, J.J., et al., "DNA Vaccines," Annu. Rev. Immunol. 15:617-648, Annual Reviews, Inc. (1997)				
/MH/	AS	<u>84</u>	Ebina, S., et al., "Chemical Modification of Bovine Pancreatic Trypsin Inhibitor for Single Site Coupling of Immunogenic Peptides for NMR Conformational Analysis," J. Biol. Chem. 264:7882-7888, The American Society for Biochemistry and Molecular Biology, Inc. (1989)				
/MH/	AT	<u>84</u>	Esposito, G., et al., "Conformational study of a short Pertussis toxin T cell epitope incorporated in a multiple antigen peptide template by CD and two-dimensional NMR: Analysis of the structural effects on the activity of synthetic immunogens," Eur. J. Biochem. 217:171-187, Blackwell Science Ltd. on behalf of the Federation of European Biochemical Societies (1993)				

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/MH/	AR	85	Förster, E., et al., "Natural and recombinant enzymatically active or inactive bee venom phospholipase A, has the same potency to release histamine from basophils in patients with Hymenoptera allergy," J. Allergy Clin. Immunol. 95:1229-1235, Mosby-Year Book, Inc. (1995)
/MH/	AS	85	Frolov, I., et al., "Alphavirus-based expression vectors: Strategies and applications," Proc. Natl. Acad. Sci. USA 93:11371-11377, National Academy Press (1996)
/MH/	AT	85	Gilbert, S.C., et al., "A protein particle vaccine containing multiple malaria epitopes," Nat. Biotechnol. 15:1280-1284, Nature America Publishing (1997)

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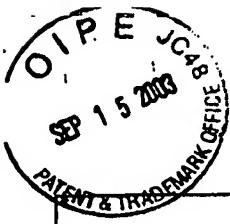
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/MH/	AR	86	Greenstone, H.L., et al., "Chimeric papillomavirus virus-like particles elicit antitumor immunity against the E7 oncoprotein in an HPV16 tumor model," Proc. Natl. Acad. Sci. USA 95:1800-1805, National Academy Press (1998)				
/MH/	AS	86	Hahn, C.S., et al., "Infectious Sindbis virus transient expression vectors for studying antigen processing and presentation," Proc. Natl. Acad. Sci. USA 89:2679-2683, National Academy Press (1992)				
/MH/	AT	86	Harding, C.V., and Song, R., "Phagocytic Processing of Exogenous Particulate Antigens by Macrophages for Presentation by Class I MHC Molecules," J. Immunol. 153:4925-4933, The American Association of Immunologists (1994)				

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/MH/	AR	87	Hilleman, M.R., "Six decades of vaccine development - a personal history," Nat. Med. Vaccine Suppl. 4:507-514 (May 1998)				
/MH/	AS	87	Hui, E. K-W. et al., "Hepatitis B viral core proteins with an N-terminal extension can assemble into core-like particles but cannot be enveloped," J. Gen. Virol. 80:2647-2659, Society for General Microbiology (1999)				
/MH/	AT	87	Iannolo, G., et al., "Construction, Exploitation and Evolution of a New Peptide Library Displayed at High Density by Fusion to the Major Coat Protein of Filamentous Phage," Biol. Chem. 378:517-521, Walter de Gruyter & Co. (1997)				
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/MH/	AR	88	Iannolo, G., et al., "Modifying Filamentous Phage Capsid: Limits in the Size of the Major Capsid Protein," <i>J. Mol. Biol.</i> 248:835-844, Academic Press, Ltd.. (1995)
/MH/	AS	88	Ikram, H., and Prince, A.M., "A method for coupling the Hepatitis B surface antigen to aldehyde-fixed erythrocytes for use in passive hemagglutination," <i>J. Virol. Methods</i> 2:269-275, Elsevier/North-Holland Biomedical Press (1981)
/MH/	AT	88	Kovacsics-Bankowski, M., et al., "Efficient major histocompatibility complex class I presentation of exogenous antigen upon phagocytosis by macrophages," <i>Proc. Natl. Acad. Sci. USA</i> 90:4942-4946, National Academy Press (1993)

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/MH/	AR	<u>89</u>	Lo, K. K-W., et al., "Surface-modified mutants of cytochrome P450cam: enzymatic properties and electrochemistry," <i>FEBS Lett.</i> 451:342-346, Elsevier Science B.V. on behalf of the Federation of European Biochemical Societies (1999)
/MH/	AS	<u>89</u>	Minenkova, O.O., et al., "Design of specific immunogens using filamentous phage as the carrier," <i>Gene</i> 128:85-88, Elsevier Science Publishers B.V. (1993)
/MH/	AT	<u>89</u>	Neurath, A.R., et al., "Hepatitis B Virus surface antigen (HBsAg) as carrier for synthetic peptides having an attached hydrophobic tail," <i>Mol. Immunol.</i> 26:53-62, Pergamon Press (1989)

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/MH/	AR	<u>90</u>	Perham, R.N., et al., "Engineering a peptide epitope display system on filamentous bacteriophage," FEMS Microbiol. Rev. 17:25-31, Elsevier Science Publishers on behalf of the Federation of European Microbiological Societies (1995)
/MH/	AS	<u>90</u>	Petrenko, V.A., et al., "A library of organic landscapes on filamentous phage," Protein Engin. 9:797-801, Oxford University Press (1996)
/MH/	AT	<u>90</u>	Pumpens, P. and Grens, E., "Hepatitis B core particles as a universal display model: a structure-function basis for development," FEBS Lett. 442:1-6, Elsevier Science B.V. on behalf of the Federation of European Biochemical Societies (1999)

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/MH/	AR	<u>91</u>	Quash, G., et al., "The preparation of latex particles with covalently bound polyamines IgG and measles agglutinins and their use in visual agglutination tests," <i>J. Immunol. Methods</i> 22:165-174, Elsevier/North-Holland Biomedical Press (1978)
/MH/	AS	<u>91</u>	Raychaudhuri, S., and Rock, K.L., "Fully mobilizing host defense: Building better vaccines," <i>Nat. Biotechnol.</i> 16:1025-1031, Nature America, Inc. (1998)
/MH/	AT	<u>91</u>	Redfield, R.R., et al., "Disseminated vaccinia in a military recruit with Human Immunodeficiency Virus (HIV) disease," <i>N. Eng. J. Med.</i> 316:673-676, Massachusetts Medical Society (1987)

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/MH/	AR	92	Rudolf, M.P., et al., Molecular Basis for Nonanaphylactogenicity of a Monoclonal Anti-IgE Antibody," J. Immunol. 165:813-819, The American Association of Immunologists (2000)
/MH/	AS	92	Sedlik, C., et al., "Recombinant parvovirus-like particles as an antigen carrier: A novel nonreplicative exogenous antigen to elicit protective antiviral cytotoxic T cells," Proc. Natl. Acad. Sci. USA 94:7503-7508, National Academy Press (1997)
/MH/	AT	92	Shen, L., et al., "Recombinant Virus Vaccine-Induced SIV-Specific CD8+ Cytotoxic T Lymphocytes," Science 252:440-443, American Association for the Advancement of Science (1991)

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/MH/	AS	93	Townsend, A., and Bodmer, H., "Antigen recognition by class I-restricted T lymphocytes," <i>Ann. Rev. Immunol.</i> 7:601-624, Annual Reviews, Inc. (1989)				
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/MH/	AR	95	International Preliminary Examination Report for International Application No. PCT/IB99/01925, European Patent Office, Munich (August, 2000) (not for publication)				
/MH/	AS	95	International Search Report for International Application No. PCT/IB99/01925, European Patent Office, Netherlands (June, 2000) (not for publication)				
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